

**CODIGO DE ESTUDIANTE** 

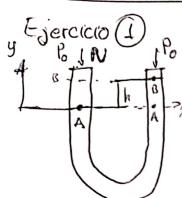
C10177-X

FECHA: 0) (09/2021

CARRERA: Cs Bs

ASIGNATURA: F(sica

PERIODO DE EVALUACIÓN: 101



tirma:

PA + = fa Va + fg ha = PB + = fuzo VB + fg hB.

$$\frac{1}{2} \int_{a} U_{a}^{2} = \frac{1}{2} \int_{H_{2}O} U_{B}^{2} + \int_{g} h.$$

$$\int_{H_{20}} g h = \frac{1}{2} \int_{a} V_{a}^{2} - \frac{1}{2} \int_{H_{20}} V_{B}^{2}$$

 $h = \frac{1}{\lambda} \left( \sqrt{a} \sqrt{a^2 - /H_2 o \sqrt{a^2}} \right) \qquad Q_A = Q_B \qquad A_A = A_B$ 

/H20 9/

A VA = ADVB UA = UR

$$h = \frac{\int_{0}^{2} V_{0}^{2} - \int_{1}^{2} V_{0} V_{0}^{2}}{2 \int_{1}^{2} \int_{1}^{2} 0 S_{1}}$$

$$h = \frac{V_a^2 (l_a - l_{H_2O})}{2 l_{H_2O} g} \qquad h = -11, 45 \text{ m.}$$

$$h = 11, 45 \text{ m.}$$

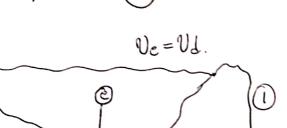


CODIGO DE ESTUDIANTE (10177-X

ASIGNATURA: Física II

FECHA: 03/09/21

PERIODO DE EVALUACIÓN: Jei Paicial. Ejercicio (2



Para (1)

2 en porceutage. A E Fy = 0

T= Wzg- Wzg

T= 9 (md-we)



$$-\int_{e} = \frac{T}{9Ve} - f_{HeO}. (-).$$

MJ = We.

$$VJ = \frac{fe}{f_{120}} Ve. \quad \frac{VJ}{Ve} = \frac{fe}{f_{120}} \times 1000$$

$$\frac{01}{v_{e}} = 80\%$$

$$\frac{101}{v_{e}} = \frac{1000 - \frac{980}{9,81.0,5}}{1000} \times 100$$



CODIGO DE ESTUDIANTE

CLO177-X

FECHA: 03/09/21

**CARRERA: Cs Bs** 

ASIGNATURA: > isicce

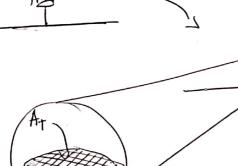
PERIODO DE EVALUACIÓN: 4e1 Paucial

Ejercicio (3)

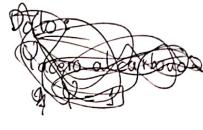
$$A_{T} = \frac{\pi}{4} D^{2} D = 2,3 \text{ cm}.$$

en un tiempo t=0,11s.

Pebota



De Corma



FAt= Unus



$$F_1 = F \qquad F = \underbrace{V_f t u - V_o u}_{A t}$$

$$f = \frac{10 \cdot 30 - 20 \cdot 30}{0,11s}$$

$$\frac{f_{\perp}}{A_{+}} = \varphi \frac{\Delta l}{l_{o}}.$$

Promedio de lougitud de alcayat 6,5cm 0,065 m



CODIGO DE ESTUDIANTE

C10177-1X

**CARRERA: Cs Bs** 

ASIGNATURA: Fisical PERIODO DE EVALUACIÓN: ( 91 Parcia

FECHA: 03/09/21

Ejercicio (4)

 $f_{\alpha} \log 1000 u = ?$ 

$$\int V = V - V_0.$$

$$\Delta V = V - V_0$$
.

 $\Delta V = \frac{u}{f} - \frac{u}{f_0}$ 
 $k = 45,8 \times 10^{-11}$ 

$$\Delta V = M + \left(\frac{f_0 - f}{f_0}\right) \cdot \left(\frac{g}{g} - \frac{1}{g}\right).$$

$$\Delta V = V\left(-\frac{1-l_0}{l_0}\right)$$

$$\frac{\Delta V}{V} = -\frac{\Delta J}{l_0} e_c \cdot \hat{\mathbf{I}}$$

Agua superficie. fo = 1030 kg/m<sup>3</sup>. Po = 1,013 x 10<sup>5</sup> Pa.

Agoa a 1000 m.

$$f = 1$$

$$f = 1 \times 10^{7} \, \text{Pa}.$$

$$\int \Delta P = -B \frac{\Delta V}{V_0} \frac{\Delta V}{V_0} = -\frac{\Delta P}{B} ec \hat{Q}$$

$$\mathcal{D} = \mathcal{D}$$

$$\frac{1}{A}\frac{AP}{B} = \frac{AP}{J}$$
 $\frac{AP}{B} = \frac{APJ_0}{B}$ 

$$\Delta f = \frac{\Delta P f_0}{B}$$

$$f-f_0 = \underline{APf_0}$$
B.

$$f = f_0 + \frac{\Delta P f_0}{B}$$

$$\int = \int_{0}^{B} \left( 1 + \frac{\Delta P}{B} \right).$$

$$\Delta P = P - P_0$$
.  
 $\Delta P = 1 \times 10^{7} P_0 - 1,013 \times 10^{5} P_0$ .  
 $\Delta P = 9898700 P_0$ 

$$\int_{a}^{2} - \int_{0}^{2} = \frac{\Delta P f_{0}}{B}$$

$$\int_{0}^{2} = 1030 \left( 1 + \frac{9898700}{45,8 \times 10^{-11}} \right)$$